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1900

I. PALÆOZOIC OR PRIMARY

1. CAMBRIAN

<i>Genus and Species</i>	<i>Class or Order</i>
1 Oldhamia antiqua	Perhaps inorganic and pre-Cambrian
2 „ radiata	„

Longmynd Beds

3 Arenicolites sparsus	Vermes
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Harlech Beds

(For Harlech fossils see collection in the Museum.)

Menevian Beds

4 Protospongia fenestrata	Porifera (Hexactinellidæ)
5 Agnostus scutalis	Trilobita
6 Microdiscus punctatus	„
7 Paradoxides Davidis	„

Lingula Flags

8 Lingulella Davisi	Brachiopoda
9 Orthis calligramma	„
10 Agnostus princeps	Trilobita
11 Olenus spinulosus	„
12 Hymenocaris vermicauda	Phyllocarida

Tremadoc Beds

13 Dictyonema sociale	Hydrozoa
14 Orthis Carausi	Brachiopoda
15 Hyolithes operculatus	Pteropoda
16 „ bijugosus	„
17 Orthoceras sericeum	Nautiloidea
18 Angelina Sedgwicki	Trilobita
19 Asaphus Homfrayi	„

2. ORDOVICIAN

Arenig Beds

<i>Genus and Species</i>	<i>Class or Order</i>
20 <i>Didymograptus bifidus</i>	Hydrozoa
21 <i>Phyllograptus typus</i>	"
22 <i>Tetragraptus serra</i>	"
23 <i>Ogygia peltata</i>	Trilobita
24 <i>Trinucleus Gibbsi</i>	"

Llandeilo Beds

25 <i>Didymograptus Murchisoni</i>	Hydrozoa
26 <i>Diplograptus foliaceus</i>	"
27 <i>Climacograptus bicornis</i>	"
28 <i>Dicranograptus Nicholsoni</i>	"
29 <i>Cœnograptus gracilis</i>	"
30 <i>Orthis calligramma</i>	Brachiopoda
31 <i>Ogygia Buchi</i>	Trilobita
32 <i>Asaphus tyrannus</i>	"
33 <i>Ampyx nudus</i>	"
34 <i>Trinucleus fimbriatus</i>	"

Bala Beds

35 <i>Leptograptus flaccidus</i>	Hydrozoa
36 <i>Echinosphærites Davisi</i>	Cystidea
37 <i>Leptaena sericea</i>	Brachiopoda
38 <i>Orthis flabellulum</i>	"
39 " <i>Actoniæ</i>	"
40 " <i>calligramma</i>	"
41 " <i>elegantula</i>	"
42 " <i>retrorsistria</i>	"
43 <i>Strophomena expansa</i>	"
44 <i>Tentaculites anglicus</i>	Pteropoda
45 <i>Trinucleus concentricus</i>	Trilobita
46 <i>Calymene senaria</i>	"

3. SILURIAN

May Hill or Llandovery Beds

47 <i>Climacograptus normalis</i>	Hydrozoa
48 <i>Monograptus lobiferus</i>	"
49 " <i>Sedgwicki</i>	"
50 <i>Rastrites peregrinus</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
51 <i>Lindstroemia bina</i>	Actinozoa
52 „ <i>elongata</i>	„
53 <i>Leptæna rhomboidalis</i>	Brachiopoda
54 <i>Pentamerus undatus</i>	„
55 „ <i>oblongus</i>	„
56 <i>Stricklandinia lirata</i>	„
57 <i>Meristella angustifrons</i>	„
58 <i>Encrinurus punctatus</i>	Trilobita

Tarannon Beds

59 <i>Nereites cambrensis</i>	Vermes
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Wenlock Shale

60 <i>Monograptus priodon</i>	Hydrozoa
61 <i>Cardiola interrupta</i>	Lamellibranchia

Wenlock Limestone

62 <i>Stromatopora typica</i>	Hydrozoa
63 <i>Omphyma subturbinata</i>	Actinozoa
64 <i>Acervularia luxurians</i>	„
65 <i>Heliolites megastoma</i>	„
66 <i>Plasmopora petalliformis</i>	„
67 <i>Favosites gothlandica</i>	„
68 <i>Halysites catenularia</i>	„
69 <i>Crotalocrinus rugosus</i>	Crinoidea
70 <i>Eucalyptocrinus decorus</i>	„
71 <i>Taxocrinus tuberculatus</i>	„
72 <i>Marsupiocrinus cœlatus</i>	„
73 <i>Atrypa reticularis</i>	Brachiopoda
74 <i>Pentamerus galeatus</i>	„
75 <i>Strophomena euglypha</i>	„
76 <i>Leptæna rhomboidalis</i>	„
77 <i>Cyrtia exporrecta</i>	„
78 <i>Rhynchonella Wilsoni</i>	„
79 <i>Spirifer plicatellus</i>	„
80 <i>Horiostoma rugosum</i>	Gasteropoda
81 „ <i>discors</i>	„
82 <i>Murchisonia Lloydii</i>	„
83 <i>Platyceras cornutum</i>	„
84 <i>Orthoceras annulatum</i>	Nautiloidea

<i>Genus and Species</i>	<i>Class or Order</i>
85 <i>Phacops caudatus</i>	Trilobita
86 <i>Calymene Blumenbachii</i>	"
87 <i>Encrinurus punctatus</i>	"
Lower Ludlow	
88 <i>Protaster Miltoni</i>	Ophiuroidea
89 <i>Gomphoceras ellipticum</i>	Nautiloidea
Aymestry Limestone	
90 <i>Pentamerus Knighti</i>	Brachiopoda
Upper Ludlow	
91 <i>Orbiculoidea rugata</i>	Brachiopoda
92 <i>Orthis elegantula</i>	"
93 <i>Chonetes striatella</i>	"
94 <i>Rhynchonella nucula</i>	"
95 <i>Avicula Danbyi</i>	Lamellibranchia
96 <i>Orthonota amygdalina</i>	"
97 <i>Grammysia triangulata</i>	"
98 <i>Bellerophon Ruthveni</i>	Gasteropoda
99 <i>Orthoceras bullatum</i>	Nautiloidea
Passage Beds	
100 <i>Modiolopsis</i>	Lamellibranchia
101 <i>Orthoceras</i>	Nautiloidea

4. DEVONIAN AND OLD RED SANDSTONE

Devonian*u, m, l, upper, middle, and lower divisions*

102 <i>Stromatopora m</i>	Hydrozoa
103 <i>Heliolites porosa m</i>	Actinozoa
104 <i>Pachypora cervicornis m</i>	"
105 <i>Acervularia pentagona m</i>	"
106 <i>Cyathophyllum cæspitosum m</i>	"
107 <i>Smithia Pengellyi m</i>	"
108 <i>Calceola sandalina m</i>	"
109 <i>Stringocephalus Burtini m</i>	Brachiopoda
110 <i>Uncites gryphus m</i>	"
111 <i>Spirifer Verneuili u</i>	"
112 <i>Cucullæa trapezium u</i>	Lamellibranchia

<i>Genus and Species</i>	<i>Class or Order</i>
113 <i>Clymenia lævigata</i> <i>u</i>	Ammonoidea
114 <i>Phacops lævis</i> <i>u</i>	Trilobita
115 <i>Bronteus flabellifer</i> <i>m</i>	"
Old Red Sandstone	
116 <i>Pterichthys latus</i>	Pisces? (Ostracodermi)

5. CARBONIFEROUS

Carboniferous Limestone

117 <i>Cyathophyllum Stutchburyi</i>	Actinozoa
118 <i>Lithostrotion basaltiforme</i>	"
119 <i>Zaphrentis cornucopiæ</i>	"
120 <i>Syringopora geniculata</i>	"
121 Crinoidal marble	Crinoidea
122 Crinoid stems	"
123 <i>Actinocrinus triacontadactylus</i>	"
124 <i>Granatocrinus ellipticus</i>	Blastoidea
125 <i>Orthis resupinata</i>	Brachiopoda
126 <i>Athyris</i> (showing brachial skeleton)	"
127 <i>Productus semireticulatus</i>	"
128 " <i>giganteus</i>	"
129 <i>Spirifer glaber</i>	"
130 " <i>striatus</i>	"
131 " <i>lineatus</i>	"
132 " <i>trigonalis</i>	"
133 " (<i>Syringothyris</i>) <i>cuspidatus</i>	"
134 " (with brachial skeleton)	"
135 <i>Terebratula hastata</i>	"
136 <i>Rhynchonella acuminata</i>	"
137 <i>Edmondia oblonga</i>	Lamellibranchia
138 " <i>sulcata</i>	"
139 <i>Sanguinolites iridinoides</i>	"
140 <i>Posidonomya Becheri</i>	"
141 <i>Conocardium hibernicum</i>	"
142 <i>Capulus vetustus</i>	Gasteropoda
143 <i>Macrocheilus acutus</i>	"
144 <i>Naticopsis plicistria</i>	"
145 <i>Murchisonia kendalensis</i>	"
146 <i>Euomphalus pentangulatus</i>	"
147 <i>Pleurotomaria carinata</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
148 <i>Bellerophon Larcomi</i>	Gasteropoda
149 " <i>cornu-arietis</i>	"
150 " <i>bicareus</i>	"
151 <i>Dentalium dentaloideum</i>	Scaphopoda
152 <i>Goniatites (Glyphioceras) sphericus</i>	Ammonoidea
154 <i>Orthoceras ovale</i>	Nautiloidea
155 " <i>laterale</i>	"
156 <i>Phillipsia</i>	Trilobita
157 <i>Rhizodus Hibberti</i>	Pisces (Crossopterygii)
158 <i>Cochliodus contortus</i>	" (Selachii)
159 <i>Ctenacanthus brevis</i>	"
160 <i>Psammodus rugosus</i>	" (Selachii)
161 <i>Coprolite</i>	

Coal Measures

162 <i>Neuropteris gigantea</i>	Filices
163 " <i>cordata</i>	"
164 <i>Alethopteris lonchitica</i>	"
165 <i>Pecopteris arborescens</i>	"
166 <i>Calamites</i>	Equisetaceæ
167 <i>Lepidodendron Sternbergi</i>	Lycopodiaceæ
168 " <i>selaginoides</i>	"
169 " "	"
170 " "	"
171 <i>Lepidostrobus ornatus</i>	"
172 <i>Sigillaria</i>	"
173 " "	"
174 <i>Stigmara</i>	"
175 <i>Trigonocarpum ovatum</i>	"
176 <i>Aviculopecten papyraceus</i>	Lamellibranchia
177 <i>Anthracosia constricta</i>	"
177a <i>Goniatites (Gastrioceras) carbonarius</i>	Ammonoidea

6. PERMIAN**Magnesian Limestone**

178 <i>Fenestella retiformis</i>	Polyzoa
179 <i>Productus horridus</i>	Brachiopoda
180 <i>Spirifer alatus</i>	"
181 <i>Pseudomonotis speluncaria</i>	Lamellibranchia
182 <i>Schizodus obscurus</i>	"

II. MESOZOIC OR SECONDARY

1. TRIAS.

Muschelkalk

<i>Genus and Species</i>	<i>Class or Order</i>
1 Encrinus liliiformis	Crinoidea
2 Terebratula vulgaris	Brachiopoda
3 Lima radiata	Lamellibranchia
4 Gervillia (Hœrnesia) sociale	„
5 Myophoria simplex	„
6 Ceratites nodosus	Ammonoidea

2. JURASSIC

Rhætic

7 Pseudomonotis fallax	Lamellibranchia
8 Avicula contorta	„
9 Protocardia rhætica	„
10 Estheria minuta	Phyllopoda
11 Ceratodus	Pisces (Dipnoi)

Lias

u, m, l, upper, middle, and lower divisions

12 Pentacrinus (stem) <i>l</i>	Crinoidea
13 Spiriferina rostrata <i>m</i>	Brachiopoda
14 Waldheimia numismalis <i>m</i>	„
15 „ resupinata <i>m</i>	„
16 „ cornuta <i>m</i>	„
17 Rhynchonella tetrahedra <i>m</i>	„
18 „ acuta <i>m</i>	„
19 Gryphæa arcuata <i>l</i>	Lamellibranchia
20 Pecten liasinus <i>m</i>	„
21 „ equivalvis <i>m</i>	„
22 Avicula cygnipes <i>l</i>	„
23 Lima gigantea <i>l</i>	„
24 Modiola scalprum <i>m</i>	„
25 Leda ovum <i>u</i>	„
26 Trigonionia literata <i>u</i>	„
27 Protocardia truncata <i>m</i>	„

<i>Genus and Species</i>	<i>Class or Order</i>
28 <i>Unicardium cardioides m</i>	Lamellibranchia
29 <i>Cardinia Listeri m</i>	"
30 " <i>attenuata m</i>	"
31 <i>Hippopodium ponderosum l</i>	"
32 <i>Pleuromya costata m</i>	"
33 <i>Pleurotomaria anglica l</i>	Gasteropoda
34 " (<i>Cryptænia</i>) <i>expansa m</i>	"
35 <i>Ammonites (Arietites) Turneri l</i>	Ammonoidea
36 " (<i>Psiloceras</i>) <i>planorbis l</i>	"
37 " (<i>Oxynoticeras</i>) <i>oxynotus l</i>	"
38 " (<i>Ægoceras</i>) <i>capricornus m</i>	"
39 " (<i>Amaltheus</i>) <i>margaritatus m</i>	"
40 " (<i>Liparoceras</i>) <i>striatus m</i>	"
41 " (<i>Harpoceras</i>) <i>serpentinus u</i>	"
42 " (<i>Hildoceras</i>) <i>bifrons u</i>	"
43 " (<i>Dactylioceras</i>) <i>communis u</i>	"
44 <i>Belemnites vulgaris u</i>	Dibranchiata
45 " <i>subaduncatus</i>	"
46 " (<i>showing phragmacone</i>)	"
47 <i>Plesiosaurus (vertebra)</i>	Reptilia (Sauropterygia)

Inferior Oolite

48 <i>Equisetum columnare</i> (Estuarine beds, Yorkshire)	Equisetaceæ
49 <i>Anomozamites Nilssoni</i> "	Cycadeæ
50 <i>Isastrea explanulata</i>	Actinozoa
51 <i>Montlivaltia trochoides</i>	"
52 <i>Stomechinus bigranularis</i>	Echinoidea
53 <i>Clypeus Ploti</i>	"
54 <i>Holectypus hemisphericus</i>	"
55 <i>Haplocæcia straminea</i> (Millepore bed, Yorkshire)	Polyzoa
56 <i>Terebratula spheroidalis</i>	Brachiopoda
57 " <i>fimbria</i>	"
58 " <i>Phillipsi</i>	"
59 " <i>perovalis</i>	"
60 <i>Rhynchonella spinosa</i>	"
61 " <i>plicatella</i>	"
62 " <i>cynocephala</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
63 <i>Ostrea flabelloides</i>	Lamellibranchia
64 <i>Lima pectiniformis</i>	"
65 <i>Lima gibbosa</i>	"
66 <i>Modiola plicata</i>	"
67 <i>Macrodon hirsonensis</i>	"
68 <i>Trigonia costata</i>	"
69 <i>Astarte excavata</i>	"
70 " <i>obliqua</i>	"
71 <i>Opis lunulatus</i>	"
72 " <i>trigonalis</i>	"
73 <i>Pholadomya fidicula</i>	"
74 <i>Ceromya concentrica</i>	"
75 <i>Nerinea</i> (section)	Gasteropoda
76 " (internal cast)	"
77 <i>Pseudomelania procera</i>	"
78 <i>Pleurotomaria punctata</i>	"
79 " <i>Palæmon</i>	"
80 <i>Cirrus nodosus</i>	"
81 <i>Ammonites</i> (Ludwigia) Murchisonæ	Ammonoidea
82 " (Stephanoceras) Humphries- ianus	"
83 " (Parkinsonia) Parkinsoni	"
84 " (Leioceras) concavus	"
85 " (Sonninia) Sowerbyi	"
86 <i>Nautilus pseudolineatus</i>	Nautiloidea
Collyweston Slate	
87 <i>Gervillia lanceolata</i>	Lamellibranchia
88 <i>Trigonia impressa</i>	"
89 <i>Malaptera Bentleyi</i>	Gasteropoda
Fullers' Earth	
90 <i>Ostrea acuminata</i>	Lamellibranchia
Stonesfield Slate	
91 <i>Gervillia acuta</i>	Lamellibranchia
Great Oolite	
92 <i>Terebratula maxillata</i>	Brachiopoda
93 <i>Pecten lens</i>	Lamellibranchia
94 <i>Lima cardiiformis</i>	"
95 <i>Pteroperna costatula</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
96 <i>Trigonia</i> Goldfussi	Lamellibranchia
97 <i>Astarte</i> rhomboidalis	"
98 <i>Pachyrisma</i> grande	"
99 <i>Purpuroidea</i> Morrisea	Gasteropoda
100 <i>Nerita</i> hemispherica	"
101 <i>Nerinea</i> Voltzi	"
102 <i>Alaria</i> hamus	"
103 <i>Nerita</i> rugosa	"
104 <i>Patella</i> rugosa	"
105 <i>Strophodus</i> magnus	Pisces (Selachii)

Bradford Clay

106 <i>Apiocrinus</i> Parkinsoni	Crinoidea
107 <i>Waldheimia</i> digona	Brachiopoda
107a <i>Rhynchonella</i> Boueti	"

Cornbrash

108 <i>Terebratula</i> intermedia	Brachiopoda
109 <i>Waldheimia</i> obovata	"
110' <i>Waldheimia</i> lagenalis	"
112 <i>Pleuromya</i> decussata	Lamellibranchia
113 <i>Goniomya</i> v-scripta	"
114 <i>Pholadomya</i> Phillipsi	"
115 <i>Ammonites</i> (<i>Macrocephalites</i>) macrocephalus	Ammonoidea

Kellaways Rock

116 <i>Ammonites</i> (<i>Kepplerites</i>) calloviensis	Ammonoidea
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Oxford Clay

117 <i>Waldheimia</i> impressa	Brachiopoda
118 <i>Rhynchonella</i> varians	"
119 <i>Gryphea</i> dilatata	Lamellibranchia
120 <i>Nucula</i>	"
121 <i>Ammonites</i> (<i>Quenstedtoceras</i>) <i>Mariæ</i>	Ammonoidea
122 " (<i>Cosmoceras</i>) <i>Gulielmi</i>	"
123 " " <i>Jason</i>	"
124 " (<i>Cardioceras</i>) <i>cordatus</i>	"
125 <i>Belemnites</i> <i>hastatus</i>	Dibranchiata
126 " <i>Oweni</i>	"

Corallian

<i>Genus and Species</i>	<i>Class or Order</i>
127 <i>Isastrea explanata</i>	Actinozoa
128 <i>Stylina tubulifera</i>	"
129 <i>Thecosmilia annularis</i>	"
130 <i>Cidaris florigemma</i>	Echinoidea
131 " (spines)	"
131 α <i>Hemicidaris intermedia</i>	"
132 <i>Pseudodiadema hemispherica</i>	"
133 <i>Echinobrissus scutatus</i>	"
134 <i>Ostrea gregaria</i>	Lamellibranchia
135 <i>Pecten fibrosus</i>	"
136 " <i>lens</i>	"
137 " <i>vimineus</i>	"
138 <i>Lima rigida</i>	"
139 <i>Lithodomus inclusus</i>	"
140 <i>Trigonia clavellata</i>	"
141 <i>Pleurotomaria reticulata</i>	Gasteropoda
142 <i>Bourguetia striata</i>	"
143 <i>Pseudomelania heddingtonensis</i>	"
144 <i>Ammonites</i> (<i>Cardioceras</i>) <i>excavatus</i>	Ammonoidea
145 " (<i>Aspidoceras</i>) <i>perarmatus</i> (Internal casts of three chambers)	"
146 <i>Glyphea rostrata</i>	Crustacea (<i>Macrura</i>)

Kimeridge Clay

147 <i>Rhynchonella inconstans</i>	Brachiopoda
148 <i>Discina latissima</i>	"
149 <i>Lingula ovalis</i>	"
150 <i>Serpula variabilis</i>	Polychæta
151 <i>Exogyra virgula</i>	Lamellibranchia
152 <i>Ostrea deltoidea</i>	"
153 <i>Nucula ornata</i>	"
154 <i>Trigonia elongata</i>	"
155 " <i>clavellata</i>	"
156 <i>Thracia depressa</i>	"
157 <i>Protocardia striatula</i>	"
158 <i>Ammonites</i> (<i>Steueroceras</i>) <i>calisto</i>	Ammonoidea
159 " (<i>Perisphinctes</i>) <i>biplex</i>	"
160 " (<i>Reineckia</i>) <i>mutabilis</i>	"
161 " (<i>Cardioceras</i>) <i>alternans</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
162 "Trigonellites latus"	Probably the operculum (Aptychus) of an Am- monite
163 Ichthyosaurus (dorsal vertebra)	Reptilia (Ichthyoptery- gia)

Portland Beds

164 Isastrea oblonga	Actinozoa
165 Trigonina gibbosa	Lamellibranchia
166 " incurva	"
167 Cerithium portlandicum	Gasteropoda
168 Pleurotomaria rugosa	"

Purbeck Beds

169 Viviparus fluviorum	Gasteropoda
170 Archæoniscus Brodiei	Isopoda
171 Cypridea	Ostracoda

3. CRETACEOUS.**Wealden Beds**

172 Unio valdensis	Lamellibranchia
173 Cypridea	Ostracoda
174 Lepidotus Mantelli	Pisces (Actinopterygii)

Lower Greensand

175 Elastoma acutimargo (Wicken)	Porifera (Calcarea)
176 Peltastes Wrighti (Faringdon)	Echinoidea
177 Terebratula sella (Isle of Wight)	Brachiopoda
178 " " var. cantabrigiensis (Wicken)	"
179 " depressa (Wicken)	"
180 Terebratella Davidsoni (Wicken)	"
181 " Fittoni (Wicken)	"
182 Rhynchonella Gibbsi (Isle of Wight)	"
183 Exogyra sinuata (Isle of Wight)	Lamellibranchia
184 Pecten cinctus (Lincolnshire)	"
185 Gervillia anceps (Isle of Wight)	"
186 Corbis corrugata (Isle of Wight)	"
187 Trigonina caudata (Isle of Wight)	"
188 Thetis minor (Isle of Wight)	"
189 Aporrhais Fittoni (Isle of Wight)	Gasteropoda
190 " glabra (Isle of Wight)	"

<i>Genus and Species</i>	<i>Class or Order</i>
191 Aporrhais Parkinsoni (Isle of Wight)	Gasteropoda
192 Meyeria magna (Isle of Wight)	Crustacea (Macrura)
193 Ammonites (Hoplites) Deshayesi (Isle of Wight)	Ammonoidea
194 Belemnites jaculum (Speeton)	Dibranchiata

Gault

195 Inoceramus sulcatus	Lamellibranchia
196 " concentricus	"
197 Nucula pectinata	"
198 Natica gaultina	Gasteropoda
199 Solarium ornatum	"
200 Aporrhais carinata	"
201 Hamites intermedius	Ammonoidea
202 Ammonites (Hoplites) auritus	"
203 " " lautus	"
204 " " splendens	"
205 " " interruptus	"
206 Ancyloceras spinigerum	"
207 Belemnites minimus	Dibranchiata
208 " attenuatus	"
209 Palæocorystes Broderipi	Crustacea (Brachyura)

Blackdown Greensand

210 Siphonia tulipa	Porifera (Lithistidæ)
211 Protocardia hillana	Lamellibranchia
212 Cucullæa glabra	"
213 Cytherea plana	"
214 Pectunculus umbonatus	"
215 Cyprina cuneata	"
216 Trigonia alæformis	"
217 Aporrhais calcarata	Gasteropoda
218 Turritella granulata	"

Upper Greensand

219 Pseudodiadema variolare	Echinoidea
220 Terebratella pectita	Brachiopoda
221 Pecten asper	Lamellibranchia
222 Exogyra columba	"
223 Neithea quadricostata	"
224 Pleuromya mandibula	"

Cambridge Greensand

<i>Genus and Species</i>	<i>Class or Order</i>
225 <i>Bathycyathus</i> Sowerbyi	Actinozoa
226 <i>Terebratula</i> biplicata	Brachiopoda
227 <i>Rhynchonella</i> sulcata	"
228 <i>Ostrea</i> frons	Lamellibranchia
229 <i>Spondylus</i> gibbosus	"
230 <i>Avicula</i> gryphæoides	"
231 <i>Plicatula</i> inflata	"
232 <i>Perna</i> Rauliniana	"
233 <i>Dentalium</i> decussatum	Scaphopoda
234 <i>Trochus</i> cancellatus	Gasteropoda
235 <i>Solarium</i> Rochatianum	"
236 <i>Pleurotomaria</i> Rhodani	"
237 " Iteriani	"
238 <i>Avellana</i> incrassata	"
239 <i>Nautilus</i> cantabrigiensis	Nautiloidea
240 " Clementinus	"
241 <i>Ammonites</i> (<i>Hoplites</i>) splendens	Ammonoidea
242 " (<i>Schlenbachia</i>) rostratus	"
243 " (<i>Hoplites</i>) auritus	"
244 " (<i>Desmoceras</i>) planulatus	"
245 <i>Baculites</i> Gaudini	"
246 <i>Anisoceras</i> armatum	"
247 <i>Hamites</i> sp.	"
248 <i>Turrilites</i>	"
249 <i>Scaphites</i> Hugardianus	"
250 <i>Belemnites</i> minimus	Dibranchiata
251 <i>Palæocorystes</i> Stokesi	Crustacea (<i>Brachyura</i>)
252 <i>Eucorystes</i> Carteri	" "
253 <i>Protosphyraena</i> ferox	Pisces (<i>Actinopterygii</i>)
254 <i>Lamna</i> appendiculata	" (<i>Selachii</i>)
255 " " (vertebra)	" "
256 <i>Polyptychodon</i> interruptus	Reptilia (<i>Sauropterygia</i>)
257 <i>Ichthyosaurus</i> campylodon	" (<i>Ichthyopterygia</i>)
258 "	" "
259 <i>Plesiosaurus</i>	" (<i>Sauropterygia</i>)

Hunstanton Red Rock (= *Gault*).

260 <i>Terebratula</i> biplicata	Brachiopoda
261 <i>Belemnites</i> minimus	Cephalopoda

Chalk

u, m, l, upper, middle, and lower divisions

<i>Genus and Species</i>	<i>Class or Order</i>
262 <i>Ventriculites u</i>	Porifera (Hexactinellidæ)
263 <i>Parasmilia centralis u</i>	Actinozoa
264 <i>Cyphosoma Koenigi u</i>	Echinoidea
265 <i>Holaster subglobosus l</i>	"
266 <i>Galerites (= Echinoconus) albogalerus u</i>	"
267 <i>Echinocorys (= Ananchytes) ovatus u</i>	"
268 <i>Micraster cor-anguinum u</i>	"
269 <i>Terebratula semiglobosa m</i>	Brachiopoda
270 " <i>carnea u</i>	"
271 <i>Terebratulina gracilis m</i>	"
272 <i>Rhynchonella Mantelliana l</i>	"
273 " <i>plicatilis u</i>	"
274 <i>Ostrea vesicularis l</i>	Lamellibranchia
275 <i>Pecten orbicularis l</i>	"
276 " <i>Beaveri l</i>	"
277 <i>Lima Hoperi u</i>	"
278 <i>Spondylus spinosus u</i>	"
279 <i>Plicatula inflata l</i>	"
280 <i>Inoceramus (hinge)</i>	"
281 <i>Inoceramus Brongniarti m</i>	"
282 " <i>mytiloides m</i>	"
283 <i>Teredo amphibæna l</i>	"
284 <i>Scaphites æqualis l</i>	Ammonoidea
285 <i>Ammonites (Schlœnbachia) varians l</i>	"
286 " <i>(Acanthoceras)</i>	"
<i>rothomagensis l</i>	"
287 " <i>(Acanthoceras) navicularis l</i>	"
288 " <i>(Pachydiscus) peramplus m</i>	"
289 <i>Turrilites costatus l</i>	"
290 <i>Belemnitella mucronata u</i>	Dibranchiata

III. CAINOZOIC OR TERTIARY

I. EOCENE

Thanet Sands

<i>Genus and Species</i>	<i>Class or Order</i>
1 <i>Astarte tenera</i>	Lamellibranchia
2 <i>Cucullæa crassatina</i>	"

Woolwich Beds

3 <i>Ostrea bellovacina</i>	Lamellibranchia
4 <i>Cyrena tellinella</i>	"
5 " <i>cuneiformis</i>	"
6 <i>Melania inquinata</i>	Gasteropoda
7 <i>Potamides funatus</i>	"

London Clay

8 <i>Vermicularia bogneriensis</i>	Polychæta
9 <i>Ditrupa plana</i>	"
10 <i>Pholadomya margaritacea</i>	Lamellibranchia
11 <i>Panopea intermedia</i>	"
12 <i>Cyprina scutellaria</i>	"
13 <i>Pectunculus brevirostris</i>	"
14 " <i>decussatus</i>	"
15 <i>Aporrhais Sowerbyi</i>	Gasteropoda
16 <i>Pyrula Smithi</i>	"
17 <i>Voluta nodosa</i>	"
18 <i>Pisania Morrisi</i>	"
19 " <i>cymatodis</i>	"
20 <i>Natica hantoniensis</i>	"
21 " <i>labellata</i>	"
22 <i>Xanthopsis Leachi</i>	Crustacea (Brachyura)
23 <i>Hoploparia gammaroides</i>	" (Macrura)
24 <i>Lamna obliqua</i>	Pisces (Selachii)

Bracklesham Beds

25 <i>Nummulites variolarius</i>	Foraminifera
25a " <i>lævigatus</i>	"
26 <i>Litharea Websteri</i>	Actinozoa
27 <i>Pecten corneus</i>	Lamellibranchia

<i>Genus and Species</i>	<i>Class or Order</i>
28 <i>Arca aviculina</i>	Lamellibranchia
29 „ <i>duplicata</i>	„
30 <i>Nucula Dixoni</i>	„
31 <i>Protocardia semigranulata</i>	„
32 <i>Crassatella compressa</i>	„
33 <i>Cardita carinata</i>	„
34 „ <i>planicosta</i>	„
35 <i>Sanguinolaria Hollowaysi</i>	„
36 <i>Cassis coronata</i>	Gasteropoda
37 <i>Conus deperditus</i>	„
38 <i>Pleurotoma attenuata</i>	„
39 „ <i>dentata</i>	„
40 <i>Voluta selseiensis</i>	„
41 <i>Cerithium conarium</i>	„
42 „ <i>cornucopiæ</i>	„
43 <i>Strepsidura turgida</i>	„
44 <i>Natica Willemetti</i>	„
45 <i>Turritella sulcifera</i>	„
46 <i>Belosepia sepioidea</i>	Dibranchiata

Barton Beds

47 <i>Pecten carinatus</i>	Lamellibranchia
48 <i>Crassatella sulcata</i>	„
49 <i>Cardita sulcata</i>	„
50 <i>Corbula ficus</i>	„
51 <i>Chama squamosa</i>	„
52 <i>Strombus bartonensis</i>	Gasteropoda
53 <i>Rostellaria ampla</i>	„
54 <i>Rimella rimosa</i>	„
55 <i>Murex asper</i>	„
56 „ <i>minax</i>	„
57 <i>Typhis pungens</i>	„
58 <i>Triton argutus</i>	„
59 <i>Cancellaria evulsa</i>	„
60 <i>Fusus porrectus</i>	„
61 „ <i>regularis</i>	„
62 „ <i>(Clavella) longævus</i>	„
63 <i>Cassis ambigua</i>	„
64 <i>Oliva Branderi</i>	„

<i>Genus and Species</i>	<i>Class or Order</i>
65 <i>Conus dormitor</i>	Gasteropoda
66 <i>Pleurotoma rostrata</i>	"
67 " <i>prisca</i>	"
68 <i>Voluta luctatrix</i>	"
69 " <i>ambigua</i>	"
70 " <i>athleta</i>	"
71 <i>Pyrula nexilis</i>	"
72 <i>Turritella imbricata</i>	"
73 <i>Xenophora agglutinans</i>	"
74 <i>Calyptræa aperta</i>	"
75 <i>Dentalium striatum</i>	Scaphopoda

2. OLIGOCENE

Headon Beds*u, m, l*, upper, middle, and lower divisions

76 <i>Chara l</i>	Algæ
77 <i>Cytherea incrassata m</i>	Lamellibranchia
78 <i>Cyrena obovata m</i>	"
79 <i>Potamomya gregaria u</i>	"
80 <i>Psammobia compressa m</i>	"
81 " <i>rudis m</i>	"
82 <i>Pisania labiata m</i>	Gasteropoda
83 <i>Ancilla buccinoides m</i>	"
84 <i>Voluta maga m</i>	"
85 " <i>suturalis m</i>	"
86 <i>Cerithium (Vicarya) concavum m</i>	"
87 <i>Potamides vagus m</i>	"
88 " <i>ventricosus m</i>	"
89 <i>Neritina concava m</i>	"
90 <i>Nerita aperta m</i>	"
91 <i>Viviparus lentus u</i>	"
92 <i>Limnæa longiscata u</i>	"
93 <i>Planorbis euomphalus u</i>	"
94 <i>Diplocynodon hantoniensis l</i>	Crocodylia

Osborne Beds

95 <i>Melania excavata</i>	Gasteropoda
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Bembridge Limestone

<i>Genus and Species</i>	<i>Class or Order</i>
96 Chara	Algæ
97 Helix occlusa	Gasteropoda
98 Viviparus orbicularis	"
99 Amphidromus ellipticus	"
100 Planorbis discus	"

Bembridge Marls

101 Cyrena pulchra	Lamellibranchia
102 Melania acuta	Gasteropoda
103 " turritissima	"

Hamstead Beds

104 Corbula sub-pisum	Lamellibranchia
105 Cyrena semistriata	"
106 Melania Nysti	Gasteropoda
107 Rissoa Chastelli	"
108 Voluta Rathieri	"
109 Potamides plicatus	"

3. PLIOCENE

Coralline Crag

110 Echinus Woodwardi	Echinoidea
111 Fascicularia aurantium	Polyzoa
112 Alveolaria semiovata	"
113 Terebratula grandis	Brachiopoda
114 Pecten opercularis	Lamellibranchia
115 " Gerardi	"
116 " tigrinus	"
117 Pectunculus glycymeris	"
118 Lucina borealis	"
119 Cyprina islandica	"
120 Astarte Omali	"
121 " gracilis	"
122 " mutabilis	"
123 Cardita senilis	"
124 Venus casina	"
125 Mactra arcuata	"
126 Thracia inflata	"
127 Trochus ziziphinus	Gasteropoda
128 Balanus concavus	Cirripedia

Red Orag

<i>Genus and Species</i>	<i>Class or Order</i>
129 <i>Ostrea princeps</i>	Lamellibranchia
130 <i>Pecten maximus</i>	"
131 <i>Mytilus edulis</i>	"
132 <i>Pectunculus glycymeris</i>	"
133 <i>Cardium Parkinsoni</i>	"
134 <i>Tellina crassa</i>	"
135 <i>Artemis exoleta</i>	"
136 <i>Chrysodomus contraria</i>	Gasteropoda
137 " <i>gracile</i>	"
138 <i>Trophon costiferum</i>	"
139 <i>Buccinopsis Dalei</i>	"
140 <i>Nassa reticosa</i>	"
141 " <i>granulata</i>	"
142 <i>Purpura tetragona</i>	"
143 " <i>lapillus</i>	"
144 <i>Voluta Lamberti</i>	"
145 <i>Cypræa avellana</i>	"
146 " <i>europæa</i>	"
147 <i>Natica catena</i>	"
148 " <i>millepunctata</i>	"
149 <i>Scalaria grœnlandica</i>	"
150 <i>Turritella incrassata</i>	"
151 <i>Trochus subexcavatus</i>	"
152 <i>Emarginula crassa</i>	"
153 " <i>fissura</i>	"
154 <i>Capulus ungaricus</i>	"
155 <i>Calyptræa chinensis</i>	"
156 <i>Balanus crenatus</i>	Cirripedia
157 Tympanic bone of whale	Mammalia (Cetacea)

Norwich Orag

158 <i>Nucula Cobboldiæ</i>	Lamellibranchia
159 <i>Cardium edule</i>	"
160 <i>Astarte borealis</i>	"
161 <i>Mactra subtruncata</i>	"
162 <i>Tellina obliqua</i>	"
163 " <i>prætenuis</i>	"
164 <i>Mya arenaria</i>	"

<i>Genus and Species</i>	<i>Class or Order</i>
165 <i>Purpura lapillus</i>	Gasteropoda
166 <i>Cerithium tricinatum</i>	"
167 <i>Littorina littorea</i>	"
168 <i>Natica clausa</i>	"

4. PLEISTOCENE

Glyde Drift

169 <i>Saxicava rugosa</i>	Lamellibranchia
170 <i>Astarte borealis</i>	"

March Gravel

171 <i>Tellina balthica</i>	Lamellibranchia
172 <i>Buccinum undatum</i>	Gasteropoda

Barnwell and Barrington Gravels

173 <i>Cyrena fluminalis</i>	Lamellibranchia
174 <i>Unio littoralis</i>	"
175 <i>Cyclas cornea</i>	"
176 <i>Bithynia tentaculata</i>	Gasteropoda
177 <i>Helix ericetorum</i>	"
178 <i>Helix nemoralis</i>	"
179 <i>Rhinoceros tichorhinus</i>	Mammalia (Ungulata)
180 <i>Hippopotamus amphibius</i>	" "
181 <i>Bos primigenius</i>	" "
182 <i>Elephas primigenius</i>	" "

Peat

183 <i>Castor fiber</i> (beaver)	Mammalia (Rodentia)
184 <i>Equus caballus</i> (horse)	" (Ungulata)
185 <i>Capreolus caprea</i> (roe-buck)	" "
186 <i>Sus scrofa</i> (wild boar)	" "

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